



NOTE: Answer only **FIVE** Questions (for each Question 10 marks)

Q1/ Define the following (**Ten** only)

- 1-internet 2-HTTP 3-Packet 4-server 5-Meta search engine 6-IP address 7-Dynamic data 8-case folding
9-broadcasting 10- infrared 11-stemming 12- Spider

Q2/A/what are the functions of the following:-

- 1-TCP 2-FTP 3-Browser 4-DNS 5-Information Retrieval

B/Define the crawler then explain its algorithms.

Q3/Answer the following

A/Explain the function and the importance of indexer.

B/What is the purpose of document conversion and parsing?

C/ URL consists of five parts. List them and explain the most important and necessary part? With example

Q4/A/ see figure (1) then answer the following:

- 1-Write page rank equations for each of A, B, C, D, and E .
2-Solve only three iterations to compute PR depending on your Built Equations.
3-If we remove page C from the site, what will happen to the Values of PR for the other pages? How?

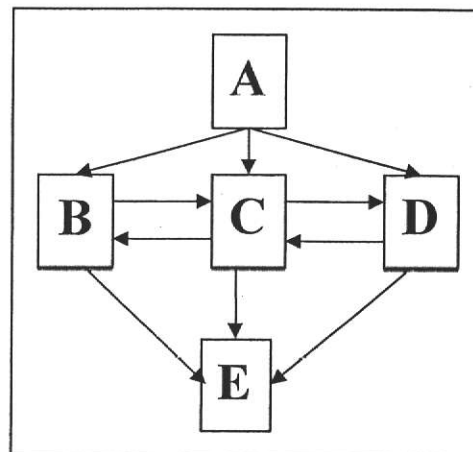


Figure (1)

B/List the difficulties in searching information in internet

Q5/A/Define the search engine then list two types of search engines and explain one of them.

B/How the internet is work? Explain each part in detail.

C/Compare between the following

- 1- MAN & WAN 2- Laser & Fiber optical

Q6/A/ write html code to design the following form

First name:

Last name: Password:

☐ Male

☐ Female

☐ I have a bike

☐ I have a car

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B/write html code to design the following table:-

This is a paragraph This is another paragraph	This cell contains a table: <table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D
A	B				
C	D				
This cell contains a list <ul style="list-style-type: none">• apples• bananas• pineapples	HELLO				

C/choose the correct answer for the following:

1- What is the correct HTML for creating a hyperlink?

- a- `W3Schools.com`
- b- `<a>http://www.w3schools.com`
- c- `W3Schools`
- d- `W3Schools.com`

2-what is the correct HTML for making a circle?

- a- `<input type="circle" />`
- b- `<circle>`
- c- `<check>`
- d- `<ul type="circle" />`

3- `<Frameset>` tag defines:

- a- single frame
- b- vertical frames
- c- set of frames
- d- horizontal frames

4- The tag that define an image is

- a- `<image>`
- b- `<map>`
- c- `<area>`
- d- ``

5- The tag that defines a paragraph is

- a- ``
- b- `<paragraph>`
- c- `<p>`
- d- `<list>`

6- Text between `<html>` and `</html>` describes:

- a- web page
- b- paragraph
- c- image
- d- header

7- When you save an HTML file, you can use

- a- .asp extension
- b- .doc
- c- .PDF
- d- .html

8- The tag that define table cell is

- a- `<td>`
- b- `<tr>`
- c- `<th>`
- d- ``

Good Luck